



Replacement Sheet

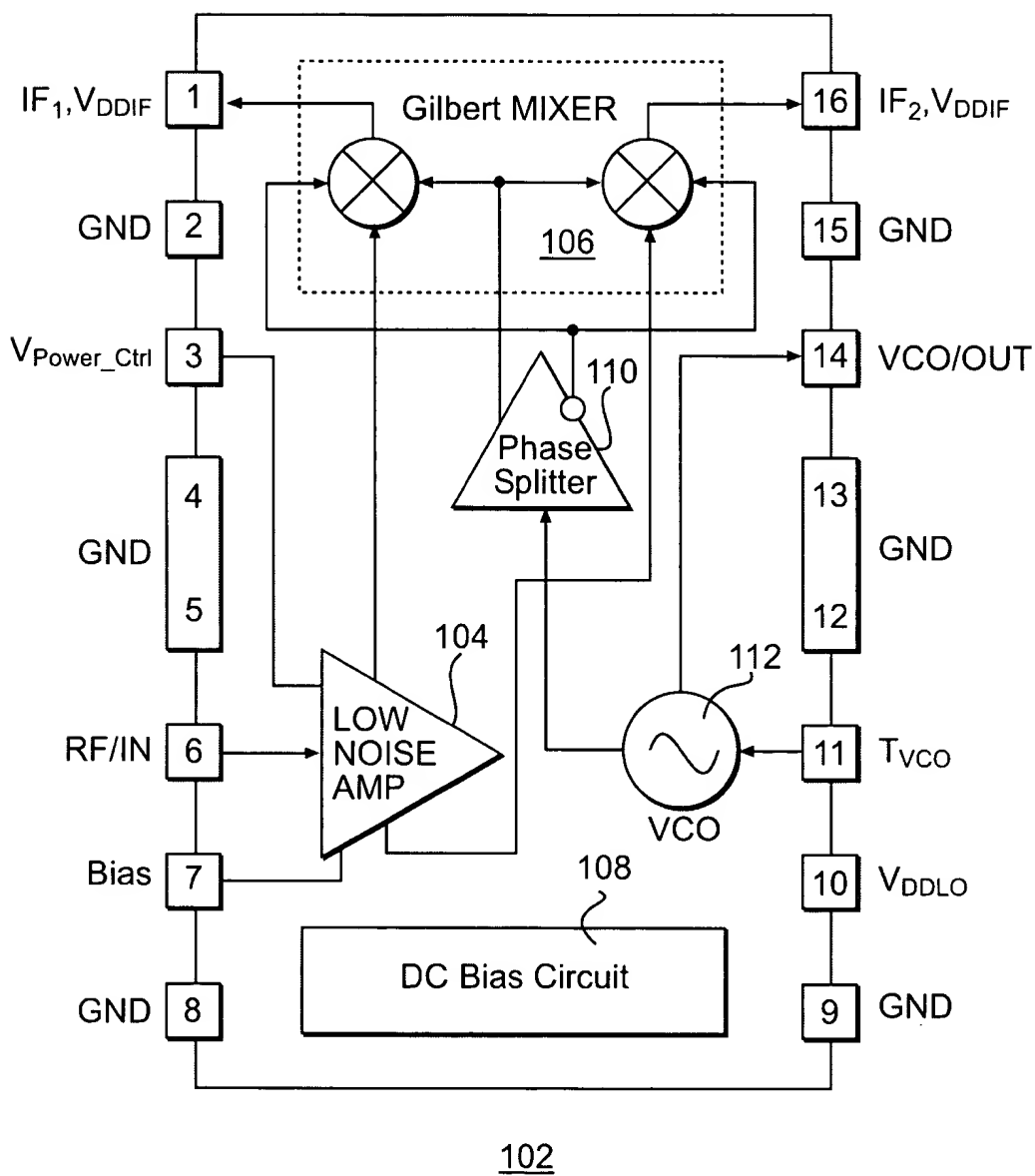


FIG. 1
PRIOR ART



Replacement Sheet

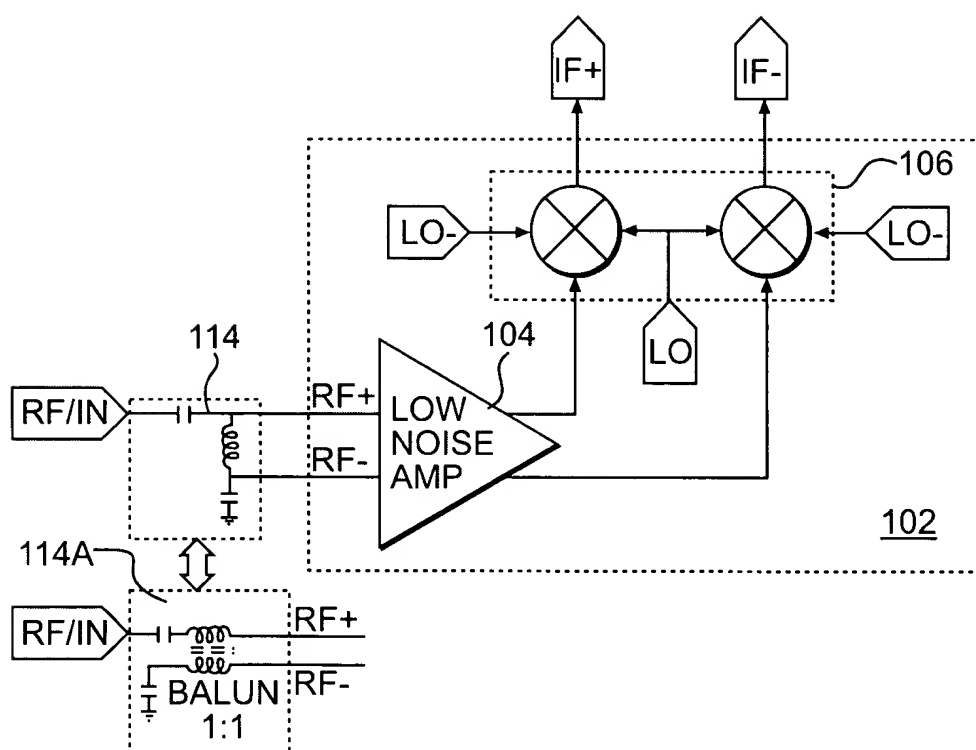


FIG. 2
PRIOR ART



Replacement Sheet

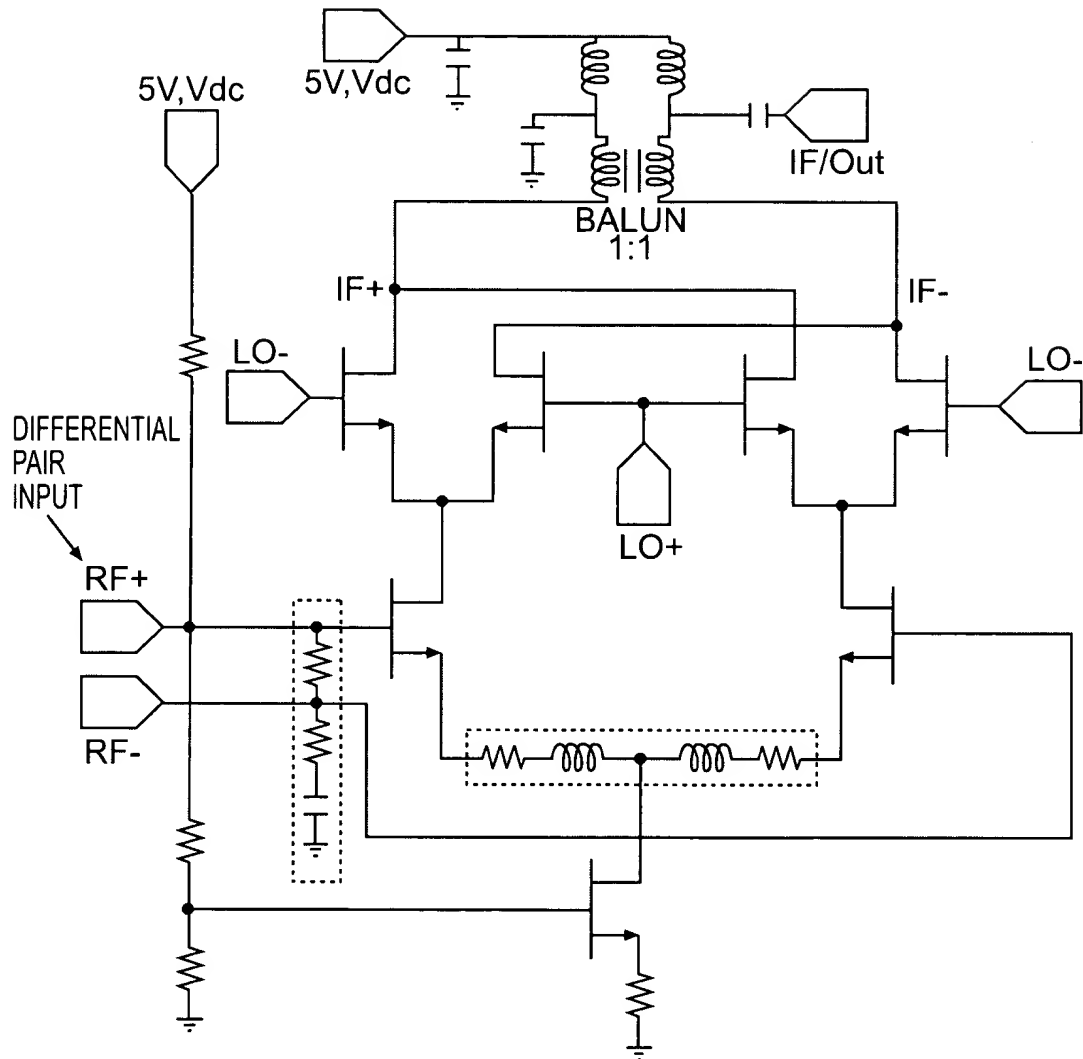


FIG. 3
PRIOR ART



Replacement Sheet

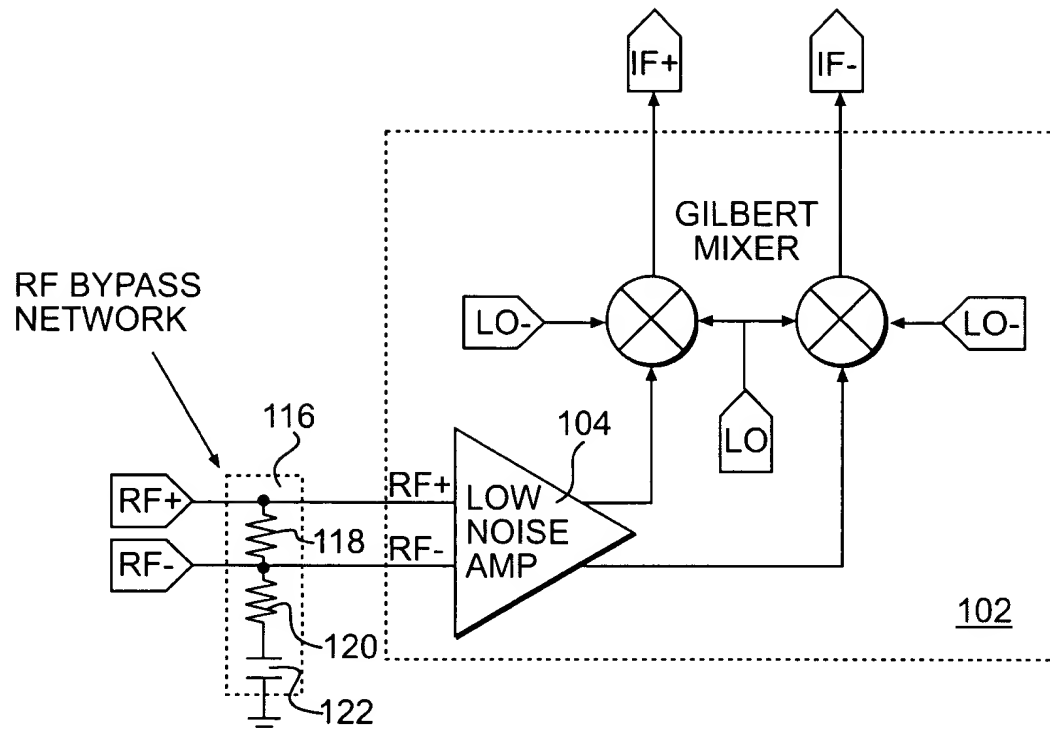


FIG. 4
PRIOR ART



Replacement Sheet

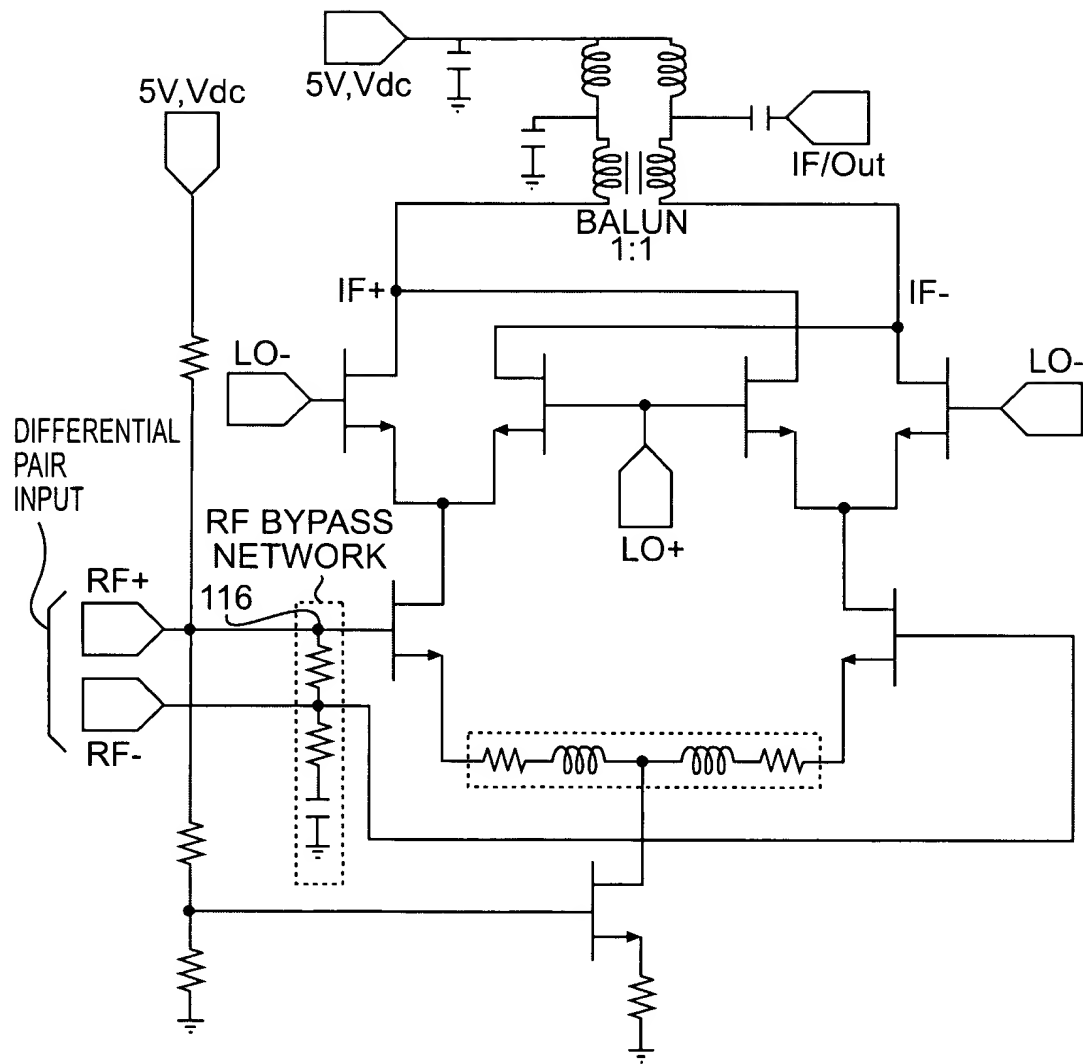


FIG. 5
PRIOR ART



Replacement Sheet

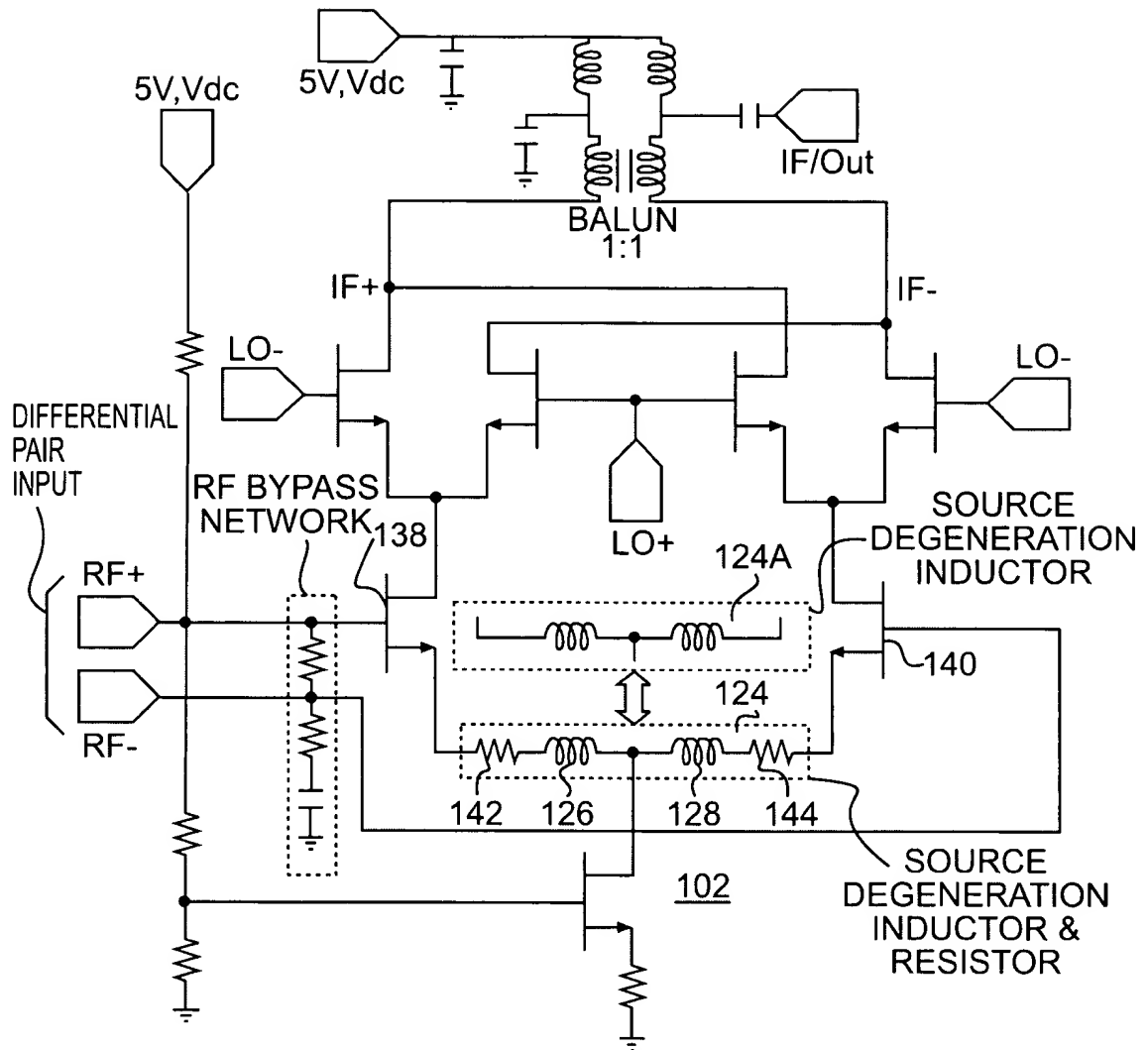


FIG. 6
PRIOR ART



Replacement Sheet

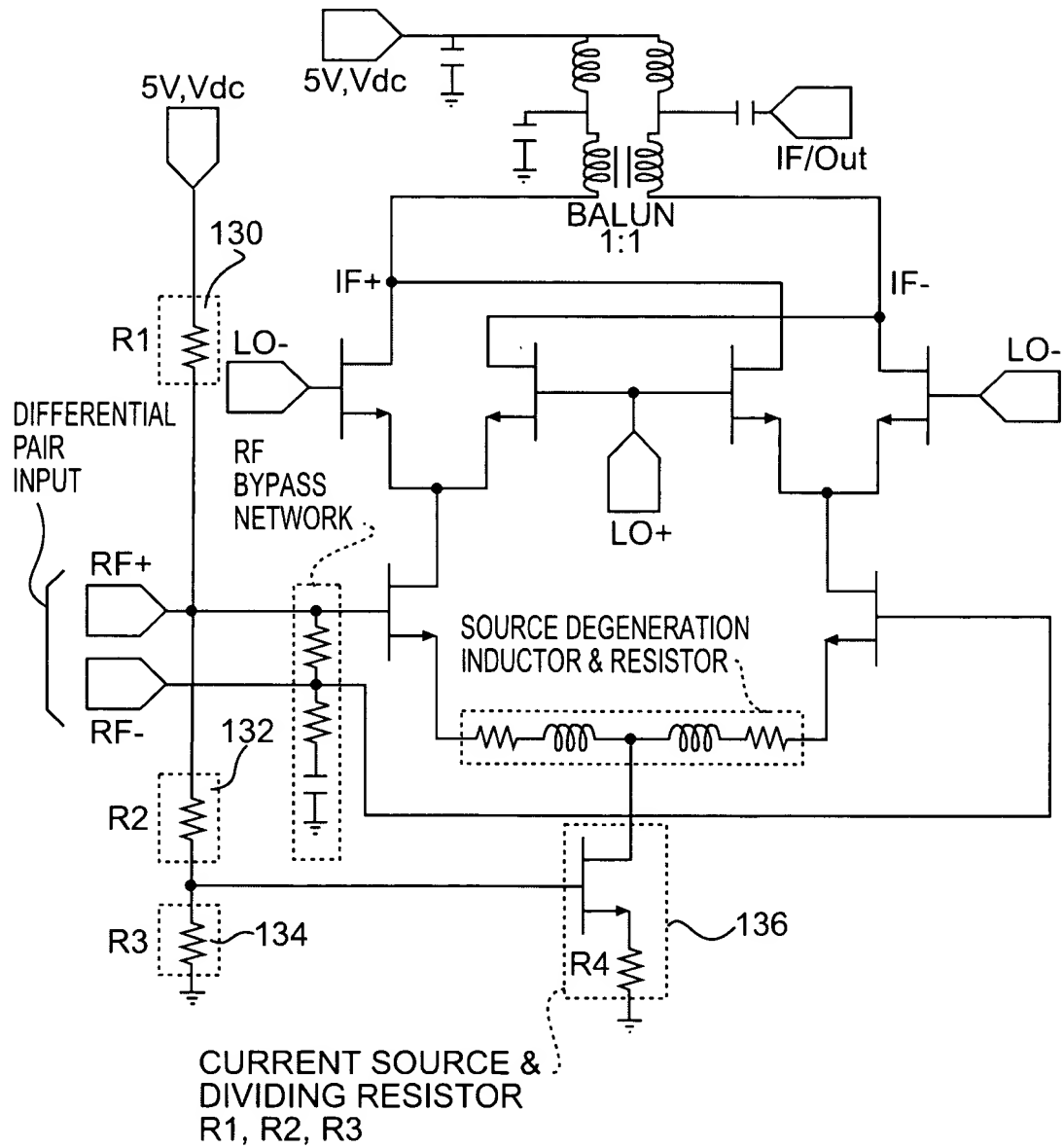


FIG. 7
PRIOR ART



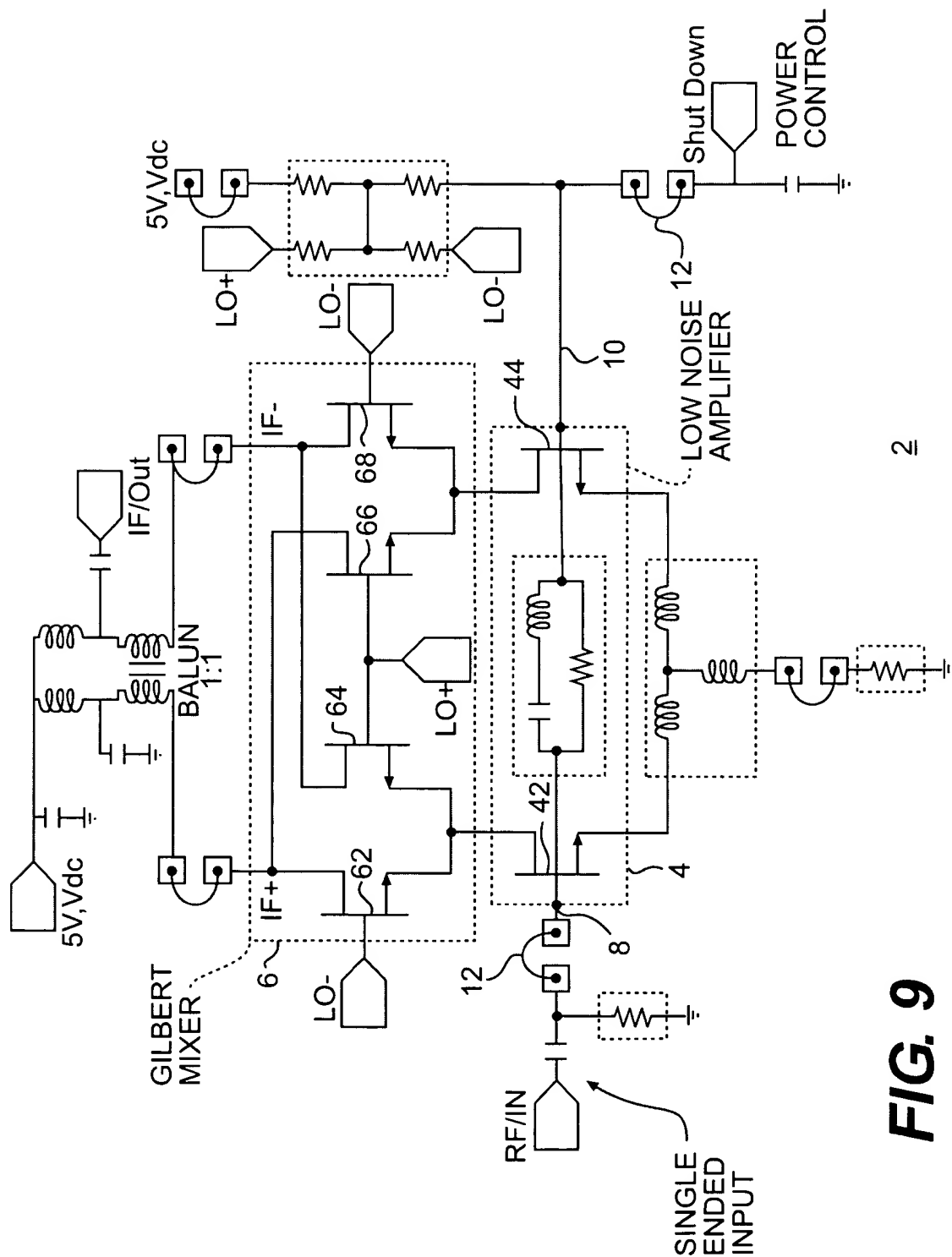


FIG. 9



Replacement Sheet

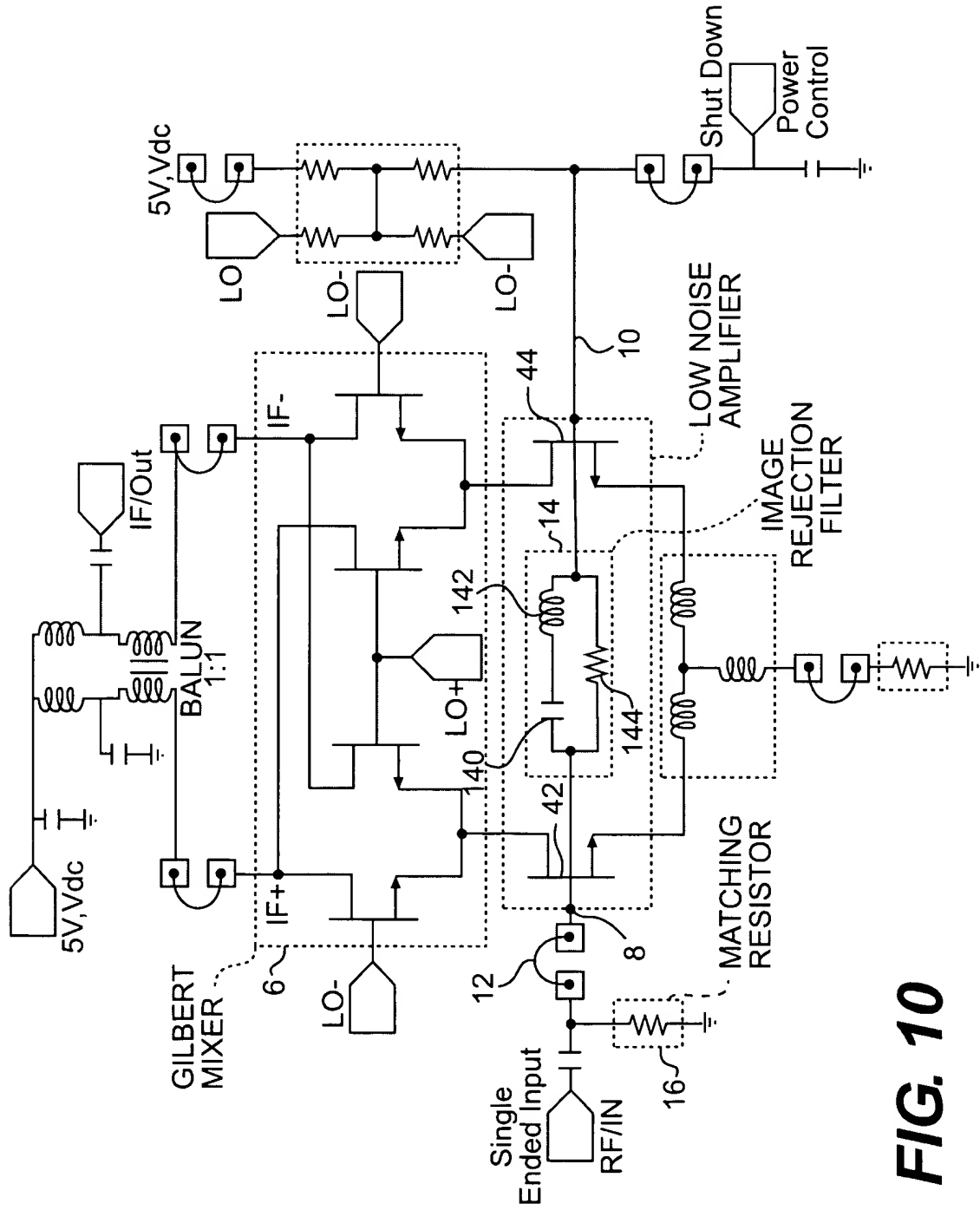
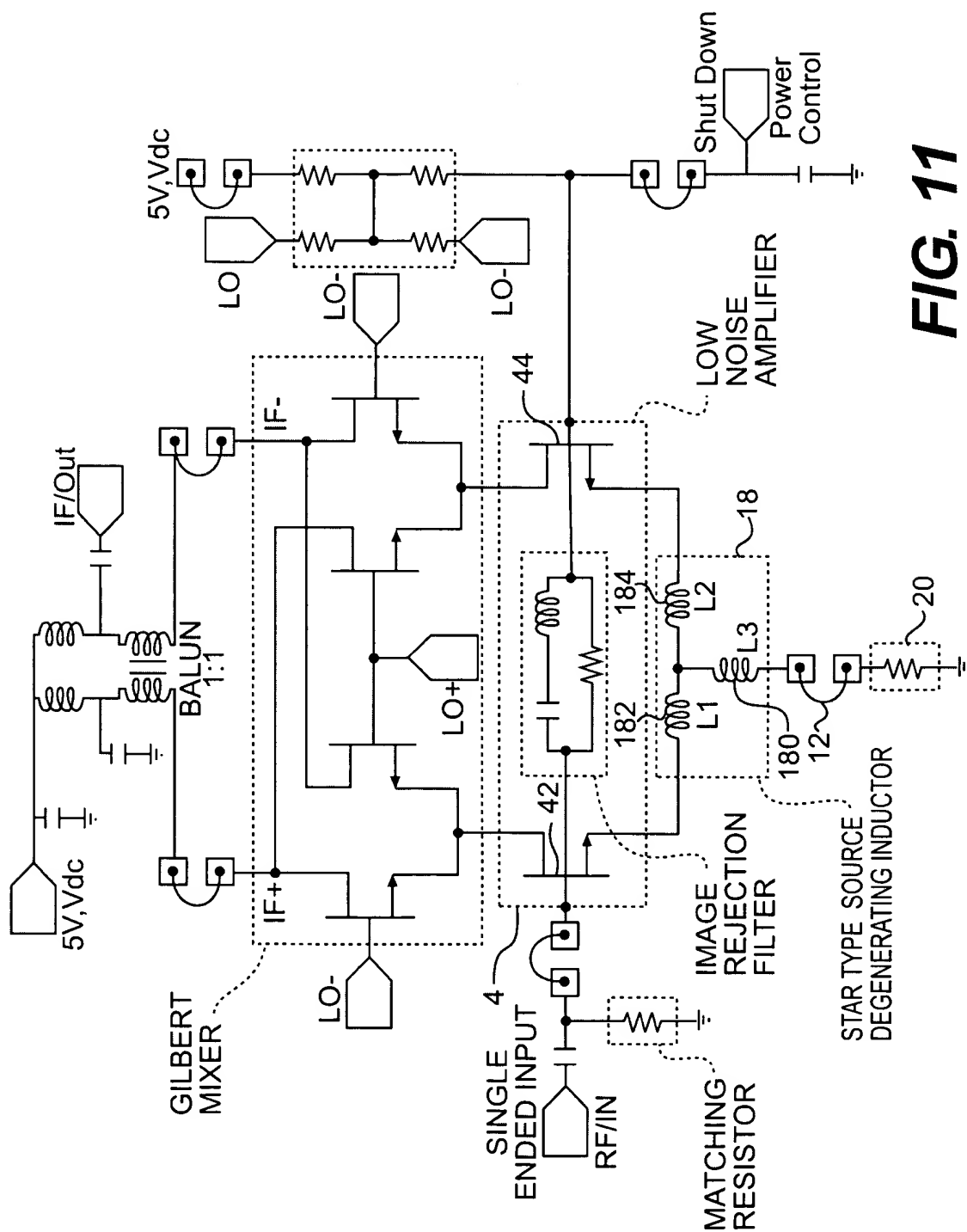


FIG. 10



Replacement Sheet



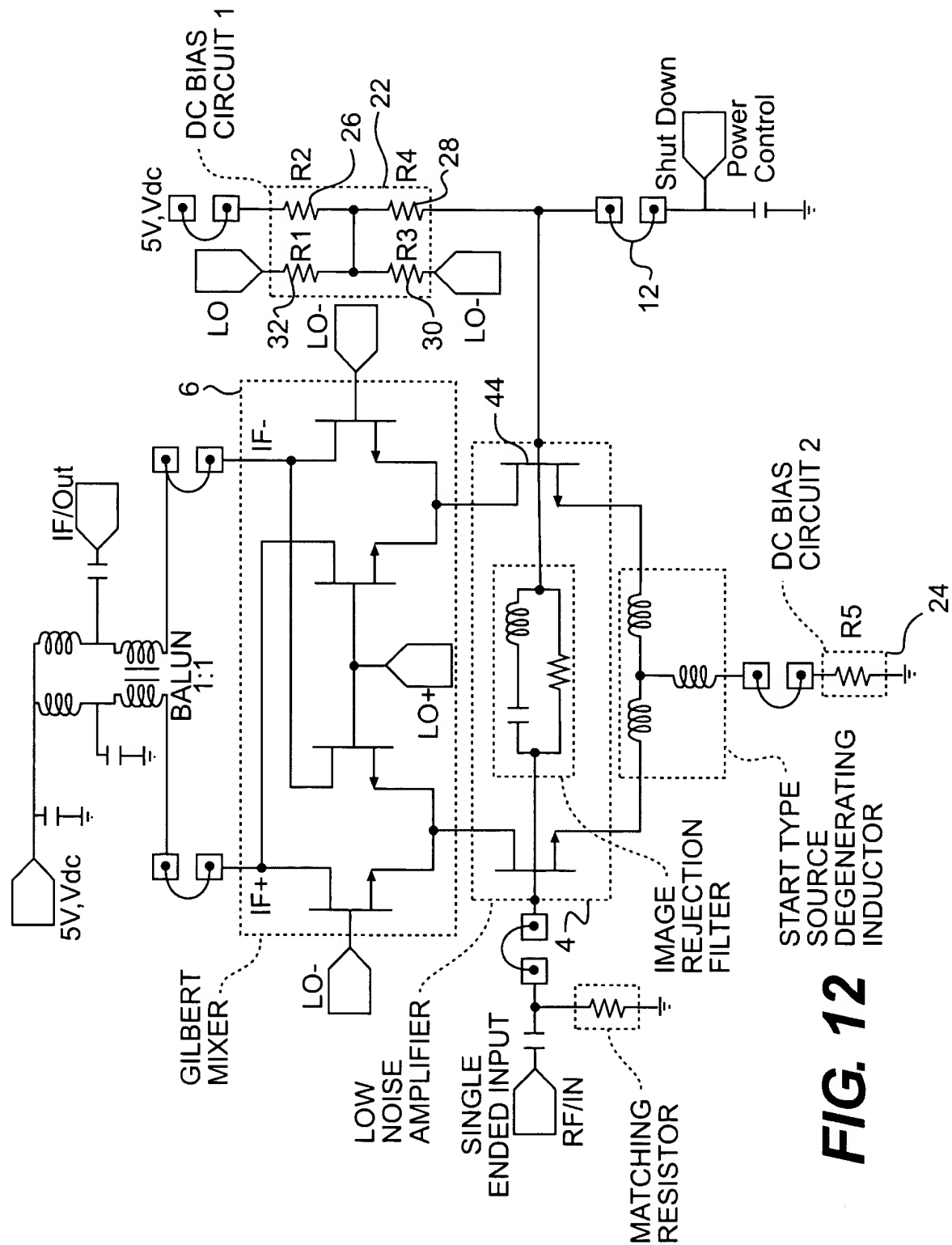


FIG. 12

The schematic diagram of the receiver circuit (FIG. 13) includes the following components and connections:

- Input Section:** A "Single Ended Input" is connected to the "RF/IN" terminal. This input is protected by an "ESD PROTECT MESFET DIODE" (indicated by a dashed box and label 34) and a series resistor (indicated by a dashed box).
- Power Supply:** The circuit is powered by a "5V,Vdc" supply, which is connected to various components including the balun, mixers, and the power control section.
- Balun:** A "BALUN 1:1" is used to interface the RF input with the subsequent stages.
- Mixer Section:** The RF signal is processed by a mixer stage, which includes a "LO+" (Local Oscillator Plus) input and a "LO-" (Local Oscillator Minus) input. The mixer output is connected to the "IF+" (Intermediate Frequency Plus) input.
- IF Section:** The intermediate frequency signal is processed by an "IF-" (Intermediate Frequency Minus) input, which is connected to the "IF/Out" terminal.
- Power Control Section:** The circuit includes a "Shut Down" control input and a "Power Control" input, both connected to the "5V,Vdc" supply. A resistor "R5" is connected to the "Power Control" input.
- Resistors:** Resistors "R1", "R2", "R3", and "R4" are connected to the "5V,Vdc" supply and the "LO+" and "LO-" inputs.
- Inductors:** Inductors are used in the RF/IN and IF/Out sections, connected to ground.
- Diodes:** Diodes are used in the ESD protection and the power control section.

FIG. 14